

MATERIAL SAFETY DATA SHEET

Section I:

Manufactures Name: Walling Chemical Company

Address: 2008 Westport Ave., Box 408, Sioux Falls, SD 57117-0408

Phone #: 605-336-6710

Date Prepared: 9-9-88

Product Identity: Code 4A

Synonyms: Barium Chloride

Section II: Hazardous Ingredients/Identity Information

Hazardous Components	OSHA PEL	ACGIH-TLV	Flammability	LEL	UEL
Barium Chloride	0.5mg/m ³	0.5mg/m ³			
	as Ba	as Ba			
		CAS# 10326-27-9			

Other Cited Data: Barium Chloride is a septemantic poison.

Comments: May cause death if taken internally.

Section III: Physical/Chemical Characteristics

Boiling Point: Approx. 100°C Specific Gravity (H₂O = 1): 1.1

Vapor Pressure: 17mmHg

Melting Point:

pH: Neutral

Evaporation Rate (Butyl acetate = 1): 1

Appearance and odor: Clear liquid, odorless

Section IV: Fire and Explosion Data

Flash Point: None

Extinguishing Media: Water, CO₂, foam, dry chemical

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: None

Section V: Reactivity Data

Stability: Stable Yes Unstable No

Conditions to avoid: Contact with other chemicals.

Incombatability: Sulfates, phosphates, and carbonates cause precipitation of barium.

Hazardous Decomposition or By Products None

Hazardous Polymerization: Will Occur - , Will Not Occur +

Section VI: Health Hazard Data

Routes of Entry: Inhalation No Skin Yes Ingestion Yes

Health Hazards (Acute and Chronic) May cause skin or eye irritation.

Ingestion: Abdominal pain, paralysis, other.

Carcinogenicity: NTP No IARC No

OSHA Regulated No Other No

Signs and Symptoms of Exposure: Ingestion: Pain of abdomen, cyspnoea, paralysis, cyanasis, death.

Skin: Rash, Irritation. Eyes: Irritation

Medical Conditions Aggravated by Exposure: None Known

Emergency and First Aid Procedures: Eyes and Skin: Flush with large amounts of water. Remove contaminated clothing and launder before reuse.
Ingestion: Call a physician at once. If conscience induce vomiting with warm salt water. Repeat until vomit is clear, then give 2 tbs. milk of magnesia in water.

Section VII: Precautions for Safe Handling and Use.

Steps to be taken in case material is released or spilled: Absorb and transfer to a suitable container for proper disposal by burial or incineration.

Waste Disposal Method Follow federal, state and local regulations.

Precautions to be taken in handling and storing: Keep out of reach of children.

Other precautions: Avoid contamination by other chemicals.

Section VIII: Control Measures

Respiratory Protection: NA

Ventilation: Local Exhaust NA Special NA
Mechanical (Type) NA Other NA

Protective Gloves Recommended Eye Protection Goggles
Other Eye Wash

Comments: This product is poison. Do not ingest.

References Used:

Third Annual Report on Carcinogens
NTIS
Research Triangle Park, NC

Fire Hazard Properties of Flammable Liquids, Gases, and Volatile Solids (1984)
NFPA
Batterymarch Park, Quincy, MA 02269

OSHA Safety and Health Standards
(29 CFR 1910) OSHA 2206
U.S. Dept. of Labor
Washington, D.C. 20402

Threshold Limit Values and Biological Exposure Indices For 1985-86
ACGIH, Cincinnati, OH 45211